

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Activity No.: PER20090001  
Agency Interest No. 8157

Mr. David Goodwin  
Vice President  
Gulf South Pipeline Company, LP  
9 Greenway Plaza, Suite 2800  
Houston, TX 77046

RE: Part 70 Operating Permit Renewal, Gulf South Pipeline Co LP - Napoleonville  
Compressor Station, Napoleonville, Assumption Parish, Louisiana

Dear Mr. Goodwin:

This is to inform you that the permit renewal for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2015, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Permit No.: 0200-00012-V4

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN:pgbc:  
EPA Region VI

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

### Gulf South Pipeline Co LP - Napoleonville Compressor Station

Agency Interest No.: 8157

Gulf South Pipeline Co LP

Napoleonville Assumption Parish, Louisiana

#### **I. Background**

Gulf South Pipeline Co LP, Gulf South Pipeline Co LP - Napoleonville Compressor Station, an existing natural gas transmission facility began operation prior to 1976. The Gulf South Pipeline Co LP - Napoleonville Compressor Station currently operates under Permit No. 0200-00012-V3, issued August 13, 2008.

This is the Part 70 operating permit for the facility.

#### **II. Origin**

A permit application was submitted by Gulf South Pipeline Co LP on August 25, 2009 requesting a Part 70 operating permit renewal.

#### **III. Description**

Natural gas is transported to Napoleonville Compressor Station via pipeline. Condensate is separated from the natural gas and sent to the 8,820 gallon storage tank. The condensate is periodically loaded into a tank truck and shipped off-site. Two natural gas fired reciprocating engines and one turbine are used to transport the natural gas by pipeline from the compressor station to commerce.

Emissions of combustion products are from firing natural gas in the turbine and the auxiliary generator engine. VOCs would be generated during loading operations from the condensate tank to tank trucks, flashing at the condensate tank, the blow-down vent, area releases of natural gas, and fugitive emissions from equipment components. Additionally, minimal fugitive particulate emissions will be generated by traveling on unpaved roads.

The application forms do reflect updates to some stack dimensions (height and diameter) and updated estimates for heat inputs, exhaust flow rates, and exhaust velocities.

In this renewal, Gulf South Pipeline requests to update some stack dimensions (height and diameter) and the estimations of heat inputs, exhaust flow rates, and exhaust velocities.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	2.89	2.89	-
SO <sub>2</sub>	1.11	1.11	-
NO <sub>x</sub>	173.01	173.01	-

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Pollutant	Before	After	Change
CO	111.49	111.49	-
VOC *	35.19	38.08	+2.89

**\*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
2,2,4-Trimethylpentane	0.034	0.035	+0.001
Acetaldehyde	0.616	0.616	-
Acrolein	0.371	0.371	-
Benzene	0.079	0.088	+0.009
Ethylbenzene	0.012	0.012	-
Formaldehyde	2.377	2.377	-
n-Hexane	0.709	0.827	+0.118
Toluene	0.099	0.105	+0.006
Xylene	0.047	0.049	+0.002
Total	4.344	4.480	+0.136

Other VOC (TPY): 33.60

#### IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70 and the Louisiana Air Quality Regulations. Prevention of Significant Deterioration (PSD), New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

#### V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions

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limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

#### **VI. Public Notice**

A notice requesting public comment on the permit was published in The Advocate, Baton Rouge, on , 2009; and in Assumption Pioneer, Napoleonville , 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing Lists on , 2009.

#### **VII. Effects on Ambient Air**

Emissions associated with the proposed renewal were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
-	-	-	-

#### **VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons			
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO

None

#### **IX. Insignificant Activities**

ID No.:	Description	Citation
-	70 bbl Ambitrol Storage Tank	LAC 33:III.501.B.5.A.3.
-	13 bbl Used Oil Horizontal Storage Tank	LAC 33:III.501.B.5.A.3.

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ID No.:	Description	Citation
-	10 bbl Oil Vertical Storage Tank	LAC 33:III.501.B.5.A.3.
-	Small NG-Fired Shop Heater	LAC 33:III.501.B.5.A.1.
-	2 Small NG-Fired Regulator Heaters	LAC 33:III.501.B.5.A.1.
-	3 Propylene Glycol Tanks	LAC 33:III.501.B.5.A.4.
-	Miscellaneous Sources (engine/fuel gas vents, crankcase vents, valve controllers, etc.)	LAC 33:III.501.B.5.D

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**Agency Interest No.: 8157**  
**Gulf South Pipeline Co LP**  
**Napoleonville Assumption Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2109	2111	2115	2116*	2117	22	29*	51*	53*	56
UNF001	Facility Wide	1																		1
ARE001	A-1-Area Releases																			
ARE002	B-1-Blowdown Vent																			
EQT002	RE-1 (1-84)-Reciprocating Engine #1									1	3									
EQT003	RE-2 (2-84)- Reciprocating Engine #2									1	3									
EQT004	G-1-Backup (Emergency) Generator									1	3									
EQT005	TE-1 (1-53)-Turbine Engine									1	3									
EQT 006	OW-1-Oil/Water Separator															3				
EQT 007	T-2-Condensate Tank #2															3				
FUG001	L-1-Loading Operation for Condensate Tank																			
FUG002	FUG-Facility Fugitives															1				
RLP017	S-1-Turbine Startup Gas Vent																			

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.  
Blank – The regulations clearly do not apply to this type of emission source.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	40 CFR 60 NSPS										40 CFR 63 NESHAP				40 CFR			
		A	K	Ka	Kb	Db	Dc	GG	III	JJJ	A	J	V	A	HH	SS	VV	ZZZZ	64
UNF001	Facility Name																		
ARE001	A-1-Area Releases																		
ARE002	B-1-Blowdown Vent																		
EQT002	RE-1 (1-84)-Reciprocating Engine #1																		3
EQT003	RE-2 (2-84)- Reciprocating Engine #2																		3
EQT004	G-1-Backup (Emergency) Generator																		3
EQT005	TE-1-Turbine Engine																		3
EQT 006	OW-1-Oil/Water Separator																		3
EQT 007	T-2-Condensate Tank #2																		3
FUG001	L-1-Loading Operation for Condensate Tank																		3
FUG002	FUG-Facility Fugitives																		3
RLP017	S-1-Turbine Startup Gas Vent																		3

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Agency Interest No.: **8157**  
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**Napoleonville Assumption Parish, Louisiana**

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
    - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
  - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
  - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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**Gulf South Pipeline Co LP**  
**Napoleonville Assumption Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT 002, EQT003 & EQT004 Engines	Emission Standards for Sulfur Dioxide {LAC 33:III.1502.A}	DOES NOT APPLY. Source emits less than 5 tons per year of SO <sub>2</sub> . {LAC 33:III.1502.A.3}.
	NSPS for Stationary Spark Ignition Internal Combustion Engines {40 CFR 60 Subpart JJJ}	DOES NOT APPLY. The engines have not been modified or reconstructed after June 12, 2006.
	NESHAP for Stationary Reciprocating Internal Combustion Engines {40 CFR 63 Subpart ZZZZ}	DOES NOT APPLY. These sources are affected sources and are meeting the requirements of 40 CFR 63.6590(c). However that citation refers back to 40 CFR 60 Subpart JJJ which has no applicable requirements.
EQT005 Turbine Engine	Emission Standards for Sulfur Dioxide {LAC 33:III.1502.A}	DOES NOT APPLY. Source emits less than 5 tons per year of SO <sub>2</sub> . {LAC 33:III.1502.A.3}.
	NSPS Subpart GG – Standards of Performance for Stationary Gas Turbines {40 CFR 60, Subpart GG}	DOES NOT APPLY. Turbine was not constructed, modified, or reconstructed after 10/3/77.

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**Napoleonville Assumption Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
EQT006 Oil/Water Separator	Oil/Water Separation {LAC 33:III.2109.A}	EXEMPT. The separator is used exclusively in conjunction with the production of crude oil or condensate. {LAC 33:III.2109.B.1}
EQT 007 Condensate Tank #2	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 {40 CFR 60, Subpart Kb}	DOES NOT APPLY. The capacity of the vessel is less than 10,600 gallons.
	Storage of Volatile Organic Compound {LAC 33:III.2103.A}	EXEMPT. The vessel is located in an attainment Parish, used to store crude oil or condensate, has a capacity less than 420,000 gallons and not subject to an NSPS {LAC 33:III.2103.G.1}

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

**AI ID:** 8157 Gulf South Pipeline Co LP - Napoleonville Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0200-00012-V4  
**Air - Title V Regular Permit Renewal**

Also Known As:	ID	Name	User Group	Start Date
	0200-00012	Gulf South Pipeline Co LP - Napoleonville Compressor Station	CDS Number	06-15-1999
	72-0340700	Federal Tax ID	Federal Tax ID	11-21-1999
LAD982301731	01059	Gulf South Napoleonville	Hazardous Waste Notification	03-13-2001
	LA0111210	Koch Gateway	Inactive & Abandoned Sites	11-23-1999
	WP4594	LPDES #	LPDES Permit #	05-22-2003
	GT-007-3294	LWDPS #	LWDPS Permit #	06-25-2003
31520		SW Notification #	Solid Waste Facility No.	01-18-2007
42055		Gulf South Pipeline Co LP - Napoleonville Compressor Station	TEMPO Merge	05-15-2001
		Koch Gateway Pipeline Co - Napoleonville Compressor Station	TEMPO Merge	07-22-2001
			Main Phone:	7134798114
Physical Location:		808 Hwy 401 Napoleonville, LA 70390		
Mailing Address:		PO Box 1039 Napoleonville, LA 70390-08288		
Location of Front Gate:		29.905278 latitude, -91.058611 longitude, Coordinate Method: Lat.\Long - DMS, Coordinate Datum: NAD83		
Related People:				
		Name	Mailing Address	Relationship
		Walter Bennett	9 Greenway Plaza Ste 2800 Houston, TX 77046	Responsible Official for
		Walter Bennett	9 Greenway Plaza Ste 2800 Houston, TX 77046	Responsible Official for
		Kevin Bergeron	PO Box 1039 Napoleonville, LA 703901039	Hazardous Waste Permit Contact For
		Stephen Bienvenu	2300 Verot School Rd Lafayette, LA 70508	Responsible Official for
		Stephen Bienvenu	2300 Verot School Rd Lafayette, LA 70508	Responsible Official for
		David Goodwin	9 Greenway Plaza Ste 2800 Houston, TX 77046	Responsible Official for
		David Goodwin	9 Greenway Plaza Ste 2800 Houston, TX 77046	Responsible Official for
		Al Jeansonne	477 Hwy 441 Holden, LA 70744	Responsible Official for
		E. G. Kirkpatrick	PO Box 8288 Longview, TX 756078288	Accident Prevention Contact for
		Christie Lassere	PO Box 157 St. James, LA 700850157	Billing Party for
		Rodney Lee	111 Park Place Ste 100 Covington, LA 70433	Haz. Waste Billing Party for
		Mike Martin	2300 Verot School Rd Lafayette, LA 70508	Air Permit Contact For
		Mike Martin	2300 Verot School Rd Lafayette, LA 70508	Water Billing Party for
		David Nickel	PO Box 8288 Longview, TX 756078288	Emission Inventory Contact for
		David Nickel	PO Box 8288 Longview, TX 756078288	Emission Inventory Contact for
Related Organizations:		Name	Address	Relationship
		Gulf South Pipeline Co LP	PO Box 8288 Longview, TX 756078288	Operates

General Information

**AI ID:** 8157 Gulf South Pipeline Co LP - Napoleonville Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0200-00012-V4  
**Air - Title V Regular Permit Renewal**

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Gulf South Pipeline Co LP	PO Box 8288 Longview, TX 756078288	9037537209 (WP)	Emission Inventory Billing Party
	Gulf South Pipeline Co LP	PO Box 8288 Longview, TX 756078288	9037537209 (WP)	Air Billing Party for
	Gulf South Pipeline Co LP	PO Box 8288 Longview, TX 756078288	9037537209 (WP)	Owes

**NAIC Codes:** 48621, Pipeline Transportation of Natural Gas

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

**INVENTORIES**

AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station  
 Activity Number: PER2009001  
 Permit Number: 0200-00012-V4  
 Air - Title V Regular Permit Renewal

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Entire Facility</b>						
ARE 0001	A-1 - Area Releases			10 MM ft^3/yr		8760 hr/yr
ARE 0002	B-1 - Blowdown Vent			10 MM ft^3/yr		8760 hr/yr
EQT 0002	RE-1 (1-84) - Reciprocating Engine #1	1100 horsepower	1100 horsepower	1100 horsepower		8760 hr/yr
EQT 0003	RE-2 (2-84) - Reciprocating Engine #2	1100 horsepower	1100 horsepower	1100 horsepower		8760 hr/yr
EQT 0004	G-1 - Backup (Emergency) Generator			125 kW		500 hr/yr
EQT 0005	TE-1 (1-53) - Turbine Engine	5700 horsepower	5700 horsepower	5700 horsepower		8760 hr/yr
EQT 0006	CW-1 - Oil/Water Separator	1200 gallons				8760 hr/yr
EQT 0007	T-2 - Condensate Tank No. 2	8820 gallons		4.62 million gallons/day		8760 hr/yr
FUG 0001	L-1 - Loading Operation for Condensate Tank					8.66 hr/yr
FUG 0002	FUG - Facility Fugitives					8760 hr/yr
RLP 0017	S-1 - Turbine Startup Gas Vent			4 MM ft^3/yr		1000 hr/yr

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Entire Facility</b>							
ARE 0002	B-1 - Blowdown Vent			1.33		16.5	
EQT 0002	RE-1 (1-84) - Reciprocating Engine #1	122	6739	1.08		20	950
EQT 0003	RE-2 (2-84) - Reciprocating Engine #2	122	6739	1.08		20	950
EQT 0004	G-1 - Backup (Emergency) Generator			.5		23.5	
EQT 0005	TE-1 (1-53) - Turbine Engine	137	103400	4		34	950
RLP 0017	S-1 - Turbine Startup Gas Vent			.5		34	70

**Relationships:****Subject Item Groups:**

ID	Group Type	Group Description
UNF 0001	Unit or Facility Wide	UNF001 - Entire Facility

**Group Membership:**

Annual Maintenance Fee:	Fee Number	Air Contaminant Source	Multplier	Units Of Measure

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**INVENTORIES**

AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station  
Activity Number: PER20090001  
Permit Number: 0200-00012-V4  
Air - Title V Regular Permit Renewal

Fee Number	Air Contaminant Source	Multipplier	Units Of Measure
1480	1480 Recip Nat Gas Comp (1,000 to 2,500 H.P.)	56.73	100 hp

SIC Codes:	
4922	Natural gas transmission

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 8157 - Gulf South Pipeline Co LP - Napaerville Compressor Station  
 Activity Number: PER20090001  
 Permit Number: 0200-00012-V4  
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year													
<b>Entire Facility</b>																
ARE 0001 A-1														1.65	1.98	7.21
ARE 0002 B-1														1.65	1.98	7.21
EQT 0002 RE-1(1-84)	7.28	8.73	31.87	4.85	5.82	21.24	0.08	0.10	0.36	0.004	0.01	0.02	1.82	2.18	7.97	
EOT 0003 RE-2 (2-84)	7.28	8.73	31.87	4.85	5.82	21.24	0.08	0.10	0.36	0.004	0.01	0.02	1.82	2.18	7.97	
EQT 0004 G-1	8.23	9.88	2.05	5.02	6.03	1.26	0.02	0.03	0.01	0.001	0.002	<0.001	0.07	0.08	0.02	
EQT 0005 TE-1 (1-53)	10.43	12.52	45.69	29.51	35.42	129.27	0.47	0.57	2.07	0.24	0.29	1.07	0.15	0.18	0.66	
EQT 0006 OW-1													0.03	0.04	0.15	
EQT 0007 T-2													0.07	0.08	0.29	
FUG 0001 L-1													94.89	120.78	0.41	
FUG 0002 FUG													0.75	1.22	3.30	
RLP 0017 S-1													5.77	6.92	2.89	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS****AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station****Activity Number: PER20090001****Permit Number: 0200-00012-V4****Air - Title V Regular Permit Renewal**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0001 A-1	2,2,4-Trimethylpentane	0.004	0.005	0.017
	Benzene	0.004	0.005	0.019
	Ethyl benzene	<0.001	<0.001	0.001
	Toluene	0.003	0.003	0.013
	Xylene (mixed isomers)	0.001	0.002	0.006
	n-Hexane	0.067	0.081	0.293
ARE 0002 B-1	2,2,4-Trimethylpentane	0.004	0.005	0.017
	Benzene	0.004	0.005	0.019
	Ethyl benzene	<0.001	<0.001	0.001
	Toluene	0.003	0.003	0.013
	Xylene (mixed isomers)	0.001	0.002	0.006
	n-Hexane	0.067	0.081	0.293
EQT 0002 RE-1 (1-84)	Acetaldehyde	0.068	0.082	0.302
	Acrolein	0.042	0.050	0.185
	Benzene	0.003	0.004	0.015
	Formaldehyde	0.244	0.293	1.072
	Toluene	0.003	0.004	0.014
	Xylene (mixed isomers)	0.001	0.001	0.006
EQT 0003 RE-2 (2-84)	Acetaldehyde	0.068	0.082	0.302
	Acrolein	0.042	0.050	0.185
	Benzene	0.003	0.004	0.015
	Formaldehyde	0.244	0.293	1.072
	Toluene	0.003	0.004	0.014
	Xylene (mixed isomers)	0.001	0.001	0.006
EQT 0004 G-1	Acetaldehyde	0.006	0.007	<0.001
	Acrolein	0.005	0.007	<0.001
	Benzene	0.003	0.004	<0.001
	Formaldehyde	0.045	0.054	0.011
	Toluene	0.001	0.001	<0.001
	Xylene (mixed isomers)	<0.001	<0.001	<0.001
EQT 0005 TE-1 (1-53)	Acetaldehyde	0.002	0.003	0.012
	Acrolein	<0.001	<0.001	0.001
	Benzene	<0.001	0.001	0.001

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station

Activity Number: PER20090001

Permit Number: 0200-00012-V4

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0005 TE-1 (1-53)	Ethyl benzene	0.002	0.002	0.010
	Formaldehyde	0.050	0.061	0.222
	Toluene	0.009	0.010	0.040
	Xylene (mixed isomers)	0.004	0.005	0.020
EQT 0007 T-2	2,2,4-Trimethylpentane	<0.001	<0.001	<0.001
	Benzene	<0.001	<0.001	<0.001
	Ethyl benzene	<0.001	<0.001	<0.001
	Toluene	<0.001	<0.001	<0.001
	Xylene (mixed isomers)	<0.001	<0.001	<0.001
	n-Hexane	<0.001	<0.001	<0.001
FUG 0001 L-1	2,2,4-Trimethylpentane	0.218	0.261	0.001
	Benzene	0.180	0.216	0.001
	Ethyl benzene	0.009	0.011	<0.001
	Toluene	0.142	0.170	0.001
	Xylene (mixed isomers)	0.085	0.102	<0.001
	n-Hexane	3.153	3.784	0.013
FUG 0002 FUG	Benzene	0.001	0.001	0.010
	Ethyl benzene	<0.001	<0.001	<0.001
	Toluene	0.001	0.001	0.005
	Xylene (mixed isomers)	<0.001	<0.001	0.003
	n-Hexane	0.025	0.025	0.110
RLP 0017 S-1	Benzene	0.015	0.018	0.008
	Ethyl benzene	0.001	0.001	<0.001
	Toluene	0.010	0.012	0.005
	Xylene (mixed isomers)	0.005	0.006	0.002
	n-Hexane	0.235	0.282	0.118
UNF 0001 UNFO01	2,2,4-Trimethylpentane			0.035
	Acetaldehyde			0.616
	Acrolein			0.371
	Benzene			0.088
	Ethyl benzene			0.012
	Formaldehyde			2.377
	Toluene			0.105

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station  
Activity Number: PER20090001  
Permit Number: 0200-00012-V4  
Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 UNF001	Xylene (mixed isomers)			0.049
	n-Hexane			0.827

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS****All ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station****Activity Number: PER20090001****Permit Number: 0200-00012-V4****Air - Title V Regular Permit Renewal****EQT 0002 RE-1 (1-84) - Reciprocating Engine #1**

- 1 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: Six-minute average
- 2 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 3 [LAC 33:III.507.H.1.a] Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.

Which Months: All Year Statistical Basis: None specified

- Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.91.3, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO, O2, SO2 and VOC concentrations in the stack gas obtained during semiannual testing.

**EQT 0003 RE-2 (2-84) - Reciprocating Engine #2**

**SPECIFIC REQUIREMENTS**

**AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station**  
**Activity Number: PER20090001**  
**Permit Number: 0200-00012-V4**  
**Air - Title V Regular Permit Renewal**

**EQT 0003 RE-2 (2-84) - Reciprocating Engine #2**

- 9 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average
- 10 [LAC 33:III.507.H.1.a] Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO, O2, SO2 and VOC concentrations in the stack gas obtained during semiannual testing.
- 11 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 12 [LAC 33:III.507.H.1.a] Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.  
 Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 13 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified  
 Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
- 14 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified  
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing
- 15 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.
- 16 [LAC 33:III.507.H.1.a] The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.). Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

**EQT 0004 G-1 - Backup (Emergency) Generator**

**SPECIFIC REQUIREMENTS**

**AI ID:** 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station  
**Activity Number:** PER20090001  
**Permit Number:** 0200-00012-V4  
**Air - Title V Regular Permit Renewal**

**EQT 0004 G-1 - Backup (Emergency) Generator**

17 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT 0005 TE-1 (1-53) - Turbine Engine**

18 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average

19 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

20 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources or Method 20 - Determination of Nitrogen Oxides, Sulfur Dioxide and Oxygen emissions from Stationary Gas Turbines, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

**FUG 0002 FUG - Facility Fugitives**

22 [LAC 33:III.2111]

Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**UNF 0001 UNF001 - Entire Facility**

23 [LAC 33:III.1103]

Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.  
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.

**SPECIFIC REQUIREMENTS**

**AI ID: 8157 - Gulf South Pipeline Co LP - Napoleonville Compressor Station**  
**Activity Number: PER20090001**  
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**Air - Title V Regular Permit Renewal**

**UNF 0001 UNF001 - Entire Facility**

- 25 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537 [LAC 33:III.535, LAC 33:III.537].
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.